DOCUMENT RESUME

ED 427 939 SE 060 523

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| TITLE | A First-Grade Math Lesson with Sue Gehn. School Development Library [Videotape]. |
| INSTITUTION | North Central Regional Educational Lab., Oak Brook, IL. |
| SPONS AGENCY | Office of Educational Research and Improvement (ED), Washington, DC. |
| PUB DATE | 1995-00-00 |
| NOTE | 0p.; Brief manual accompanies videotape. |
| CONTRACT | RP91002007 |
| AVAILABLE FROM | North Central Regional Educational Laboratory, 1900 Spring Road, Suite 300, Oak Brook, IL 60521. |
| PUB TYPE | Non-Print Media (100) |
| EDRS PRICE | Document Not Available from EDRS. |
| DESCRIPTORS | *Elementary School Mathematics; *Faculty Development; Grade 1; *Lesson Plans; Mathematics Activities; *Mathematics Instruction; Primary Education; Teaching Methods; *Videotape Recordings |

ABSTRACT

Sue Gehn teaches first grade at Cottage Grove Elementary School in Cottage Grove, just outside of Madison, Wisconsin. She achieves excellence in mathematics by applying the concepts of Cognitively Guided Instruction (CGI).The CGI approach is a philosophy founded on the notion that teachers must assess, and understand, the present knowledge that students have in order to make effective instructional decisions. In this videotape, Ms. Gehn puts into action the Cognitively Guided Instructional approach to learning math. She provides her students with a real-world addition problem to solve. Students are allowed ample time to devise a way to represent and solve the problem. They are very creative in their solution strategies. After the students complete the problem, they share their problem representation and solution strategy with the rest of the class. Next, Ms. Gehn has the students solve a sophisticated multiplication problem. The same instructional sequence is repeated as the students represent the problem, solve it, and share their strategies. (AA)

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